

City of San José presents the 6th annual

Bay Area Schools



ENVIRONMENTAL CONFERENCE



**Sustainability:
The Game Changer**

Saturday, February 4, 2012

Table of Contents

02

Map of Corinthian Center



03-04

Conference Schedule



05-08

Breakout Sessions



09

Special Thanks

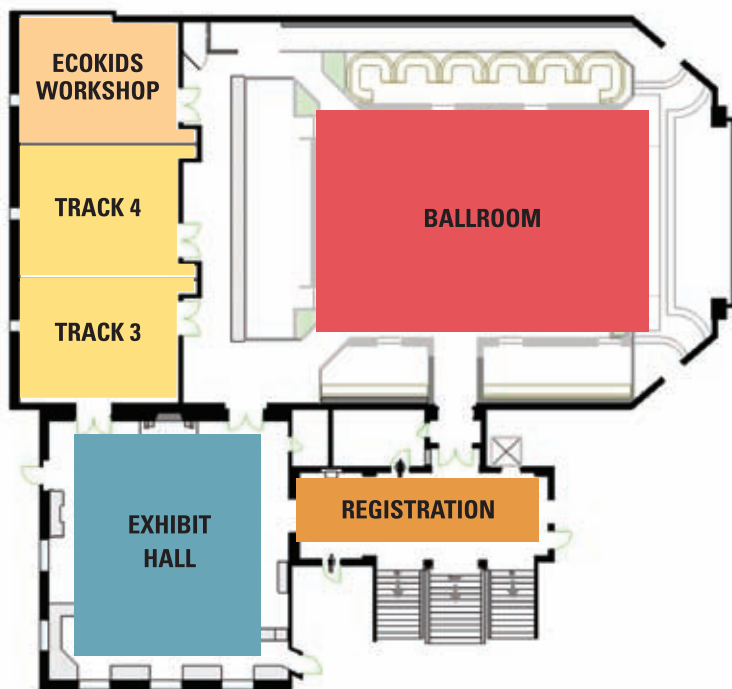


09-10

Keynote Speakers
Eric Corey Freed &
Erik Assadourian



Map of Corinthian Center



MAIN LEVEL FLOOR PLAN



UPPER LEVEL FLOOR PLAN

Conference Schedule

8:00am

Registration

8:00am –
8:45am

Breakfast

Ballroom

Keynote Presentation

“Dodo Sapiens: How Nature Can Inspire a New Wave of School Buildings”– Eric Corey Freed, Principal of organicARCHITECT and author of Sustainable School Architecture

8:45am –
9:00am

Travel time to breakout sessions

9:00am –
10:00am

Breakout Session I

TRACK 1: Apples to Apples - “R” You Ready

TRACK 2: “Clue” Into Environmental Education -
EEI Bring the Environment to Life

TRACK 3: Are You Getting Bugged? -
Move Aside Pesticides

TRACK 4: Green Rover, Green Rover, Send Energy Over -
You’ve Got the Power

10:00am –
10:45am

Exhibit Hall

Green Light Film Festival Showcase
Track 2 Room



11:00am – 12:00pm	Breakout Session II TRACK 1: Apples to Apples - Hands-On, Homemade TRACK 2: “Clue” Into Environmental Education - Into the Wild TRACK 3: Are You Getting Bugged? - Pesky Pests TRACK 4: Green Rover, Green Rover, Send Energy Over - These Boots are Made for Walking
12:15pm – 2:15pm	Lunch Ballroom Keynote Presentation <i>“Educators’ New Assignment: Teaching Sustainability”</i> – Erik Assadourian, Worldwatch Institute Senior Fellow and Director of State of the World 2010: Transforming Cultures: From Consumerism to Sustainability Green Star Awards
2:15pm – 2:30pm	Travel time to breakout sessions
2:30pm – 3:30pm	Breakout Session III TRACK 1: Apples to Apples - This Worm’s For You TRACK 2: “Clue” Into Environmental Education - Think Global Act Local TRACK 3: Are You Getting Bugged? - Getting Kids on a Pest Friendly Path TRACK 4: Green Rover, Green Rover, Send Energy Over - Energize Your Classroom
3:30pm	Conference Concludes

Breakout Sessions ... Prepare To Go All In!

We promised a “full house” of options for greening your school and teaching green, and today we are pleased to deal you a winning hand of learning sessions! Pick one track to follow or mix and match sessions from each track to tailor your own learning. Every Track is an Ace!

TRACK 1: APPLES TO APPLES

Session 1

“R” You Ready?

9:00 am-
10:00 am

Part 1 – Scrap-Sense

Learn about the key ingredients needed to create a successful food scrapping program.

- Jordan Figueiredo, *Castro Valley Sanitary District*
- Jim Kentris, *Principal at Independent Elementary School*

Part 2 – Less is More

Add a new R (Refuse) to your repertoire to reduce food and packaging waste during your classroom events.

- Leslie O'Malley, *Green and Healthy Outreach Coordinator, Our City Forest*

Session 2

Hands-On, Homemade

11:00 am-
12:00 pm

Part 1 – Comida Casera

Identify ways to increase availability, consumption, and enjoyment of healthy, homemade food at school.

- Aldo Charzaro, *Project Manager, Comida Casera*
- Silvia Montaña, *Community Coordinator, Comida Casera*

Part 2 – Watch Your Garden Grow

Find out how to build a healthier family and environment, right in your backyard, by building a garden in as little as 4 x 8 feet of space.

- Dr. Keith Fabsiaik, *Assistant Chief of Pediatrics, Santa Clara Kaiser Medical Center*

Part 3 – Dig It!

Participate in hands-on classroom activities, where students learn life skills by landscaping, gardening, and sorting their waste.

- Thomas Miro, *Middle School Science and Elective Teacher, Alameda Unified School District*

Session 3

This Worm's For You

2:30 pm-
3:30 pm

Part 1 – My Pet Wormy Worm

Discover a fun and exciting hands-on vermicomposting program where kids learn how garbage helps our gardens grow.

- Lori Melero, *Co-Founder, MyPetWormyWorm.info*

Part 2 – Wonders of a Waste Bin

Discover how an Alameda County classroom's worm composting program launched into a regional, action-oriented, service-learning program.

- Angelina Vergara, *Project Coordinator and David Griswold, Grace Lee, Jeannie Pham, and Maricelle Cardenas, Classroom Sustainability Associates, StopWaste.Org/Alameda County Waste Management Authority*





TRACK 2: “CLUE” INTO ENVIRONMENTAL EDUCATION

Session 1

EEl-Bring the Environment to Life

9:00 am-
10:00 am

Part 1 – California Environmental Protection Agency

Learn about the Environmental Education Initiative (EEI) from the developers.

- *Lucy Christensen, Education and Environmental Specialist, California Environmental Protection Agency (EPA)*

Part 2 – California Regional Environmental Education Community (CREEC)

Learn to integrate the Environmental Education Initiative (EEI) curriculum, recently adopted by the State Board of Education, into your classroom today.

- *Amity Sandage, Regional Coordinator, California Regional Environmental Education Community (CREEC)*
- *Jean Mahoney, EEI Teacher Ambassador*

Session 2

Into the Wild

11:00 am-
12:00 pm

Part 1 – The Natural Classroom

Come see how the Guadalupe River Park Conservancy's education programs provide a tactile gateway to nature and teaching science.

- *Joseph Salvato, Education Assistant, Guadalupe River Park Conservancy*

Part 2 – Feathers, Fur, and Fun

Happy Hollow's Zoo Educators, with the help of some furry friends, will provide ideas for extending the impact of your class's animal experience beyond the field trip.

- *Karen Bryce, Zoo Educator, Happy Hollow Park and Zoo*

Session 3

Think Global, Act Local

2:30 pm-
3:30 pm

Part 1 – Catan Oil Springs

Play your way toward tackling climate change, tragedy of the commons, and planning growth on a finite planet. The developer of the environmental scenario for the board game Settlers of Catan, Erik Assadourian, will discuss using the game as a teaching tool.

- *Erik Assadourian, Worldwatch Institute Senior Fellow and Director of State of the World 2010: Transforming Cultures: From Consumerism to Sustainability*

Part 2 – Green Deeds Supporting Local Needs

Help students address real world problems through high-quality, environmental service-learning projects that meet local needs.

- *Nate Ivy, Service Learning Coordinator, Alameda County Office of Education*

TRACK 3: ARE YOU GETTING BUGGED?

Session 1

Move Aside Pesticides

9:00 am-
10:00 am

Build a toolkit of State and Local resources that will aid your schools' implementation of the California Healthy Schools Act and create a healthy, pesticide-free school environment.

– *Laurie Brajkovich, Senior Environmental Scientist, School IPM Program, California Department of Pesticide Regulation*

Session 2

Pesky Pests

11:00 am-
12:00 pm

We have solutions! Review the history of pest control in schools and learn sustainable pest management tips and resources that result in a healthful environment for children.

– *Thomas Green, Ph.D., President IPM Institute of North America Inc. and School IPM 2015, Madison Wisconsin*

Session 3

Getting Kids on a Pest Friendly Path

2:30 pm-
3:30 pm

Part 1 – Non-Toxic Pest Management Methods

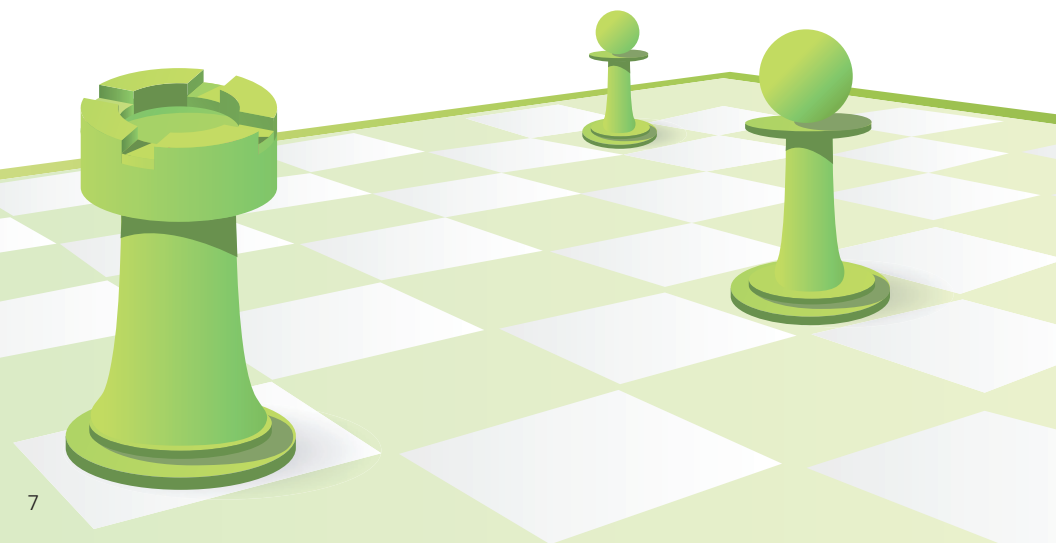
Learn why it is important to teach children about alternative and non-toxic pest management methods, and uncover the resources available for teachers to provide this education.

– *Naresh Duggal, Entomologist, IPM Coordinator, Santa Clara County*

Part 2 – Bronco Urban Gardens Program, Santa Clara University

Take a look at sustainable and non-toxic principles already at work in your school or home garden and how they jump start a lifelong path toward making the right decisions about pest management.

– *Joanna Johnson, Director, Bronco Urban Gardens Program, Santa Clara University*



TRACK 4: GREEN ROVER, GREEN ROVER, SEND ENERGY OVER

Session 1

9:00 am-
10:00 am

You've Got the Power!

Part 1 – Become a Carbon Cutter

Learn how energy audits play a key role in a School District's Sustainability Plan

- *Carl Salas, Principal and Founder of Salas O'Brien Engineers*

Part 2 – LEEP Ahead

Discover how the Leadership in Energy Efficiency Program (LEEP), funded by PG&E, is bringing energy efficiency to local schools.

- *Yvonne Tom, Program Manager I, Energy Efficiency, Alameda County Office of Education*
- *Puck Ananta, M.E. Consultant and an independent consulting to LEEP*
- *Jordy London, Advisory Board Co-Chair and Oakland USD Board Member President*

Session 2

11:00 am-
12:00 pm

These Boots are Made for Walking

Part 1 – Walk and Roll to School

Come hear about the City of San José's Street Smarts Program, other Safe Routes to School Efforts, and how Schools are being selected to participate in upcoming Bike and Walk Programs.

- *Devin Gianchandani, The City of San José Department of Transportation*

Part 2 – Cool School's Program, Climate Protection Campaign

Discover eCO2mmute's educational activities that promote safe cycling, and environmental and personal health.

- *Amy Jolly, Cool School Program Manage, Climate Protection Campaign, Sonoma County*
- *Dave Casey, High School Math and Environmental Studies Teacher and Developer of eCO2mmute*

Part 3 – Department of Public Health, Santa Clara County

Learn what Santa Clara County has to offer to jump start a Walk & Roll Program at your School.

- *Alice Kawaguchi, Health Education Specialist, Santa Clara County Public Health Dept*
- *Jason Gubuan, Health Education Associate with Traffic Safe Communities Network*

Session 3

2:30 pm-
3:30 pm

Energize Your Classroom

Part 1 – The Solar Schoolhouse

Learn how to integrate hands-on solar education activities throughout the K-12 spectrum.

- *Tor Allen, Director, The Rahus Institute/ Solar Schoolhouse*

Part 2 – Shedding Light on Career Pathways

Explore new curriculum introducing energy focused career pathways for all education levels.

- *Nina Kamath, Student, Lynbrook High School's Future Business Leaders of America (FBLA)*

Part 3 – The Catholic Charities CORAL Energy Champion program

Learn how a literacy model on environmental topics is engaging low-income, primarily Spanish speaking, K-6 after-school care students to become energy reduction leaders in their homes, schools and communities.

- *Aldo Estrada, Catholic Charities, CORAL After-School programs*

About Our Morning Keynote Speaker Eric Corey Freed



Eric Corey Freed, author and Principal of organic ARCHITECT, an architecture and consulting firm in California has nearly 20 years of experience in green building. Eric co-developed the Sustainable Design programs at the Academy of Art University and University of California Berkeley Extension. He is also the author of four books, including "Green Building & Remodeling for Dummies", a best seller with over 100,000 copies in print, and "Sustainable School Architecture." His latest, "Green\$ense for your Home" won the 2011 Outstanding Book Award from the American

Society of Journalists and Authors.

Eric will kick off the morning presenting "Dodo-Sapiens: How Nature Can Inspire a New Wave of School Buildings." Eric will discuss how seemingly harmless decisions about our buildings made decades ago are now throwing all of our natural systems into decline. While every other technology has made vast improvements (cell phones, computers, automobiles), our buildings continue to be boring, energy-wasting and toxic. By learning from Nature, we'll uncover lessons to apply to our built environment that will save energy, water, and resources and be healthier in the process.

Special thanks to the following sponsors for their support in making this conference possible:

Gold Level



Friends of BASEC:

The Solar Schoolhouse
Chinook Book
Happy Hollow Park and Zoo



About Our Lunch Keynote Speaker Erik Assadourian



Erik Assadourian has over a dozen years of experience studying issues related to consumption, consumerism and environmental sustainability. He is a Senior Fellow with the Worldwatch Institute in Washington D.C. where he has studied cultural change, consumerism, ecological ethics, corporate responsibility, and sustainable communities. Erik directed *State of the World 2010: Transforming Cultures: From Consumerism to Sustainability*. This report, bringing together 60 leading sustainability thinkers and published in 14 languages, spreads

the idea that for humanity to bring about a secure future, we will need to intentionally and proactively transform cultural norms so that living sustainably feels as natural as living as a consumer feels today.

Recently, Erik has worked with gamemakers to introduce a sustainability component to the famous board game, *Settlers of Catan* – making Erik a literal game changer and a perfect speaker to complement this year's conference theme, *Sustainability: The Game Changer*.

At lunch, Erik will present, "Educators' New Assignment: Teaching Sustainability." He will be discussing the many ways that educators are introducing sustainability into lesson plans, classroom activities, and the broader school culture with the goals of expanding students' environmental knowledge, making their behavior more sustainable, and, most importantly helping to shift cultural norms more broadly in society.



Erik Presents

Breakout Session

"Catan: Oil Springs: Using Games to Teach Sustainable Management in a Constrained World"

Erik will discuss the production of an environmental scenario for the board game *Settlers of Catan* and how it is being used as a teaching tool on issues like the tragedy of the commons, climate change, and growth on a finite planet. Track 2 room at 2:30pm.

Post-Conference

"A Settlers of Catan Game Lesson and Session"

Erik will be teaching and playing the board game *Settlers of Catan* after the conference concludes (4pm) with any interested conference attendees at Fourth Street Pizza (150 E Santa Clara Street, San José) a pizza parlor which is just three blocks away from the conference venue.



www.sanjoseca.gov/esd/schools



Find us on Facebook!
facebook.com/SJGreenSchools